

MILITARY SPECIFICATION

CONNECTOR, RECEPTACLE, ELECTRICAL, SERIES PULSE, TYPE UG-37A/U

This specification has been approved by the Department of Defense and is mandatory for use by the Departments of the Army, the Navy, and the Air Force

1. SCOPE

1.1 This specification covers the detail requirements for type UG-37A/U series pulse, electrical receptacle connector. The military part number for type UG-37A/U connector is M3607/3-01

2. APPLICABLE DOCUMENTS

2.1 The following documents, of the issue in effect on date of invitation for bids or request for proposal, form a part of this specification to the extent specified herein.

SPECIFICATION

MILITARY

MIL-C-3607 - Connectors, Coaxial, Radiofrequency, Series Pulse, General Specification for

DRAWINGS

Bureau of Ships

REB10021 - Gasket
REB10036 - Washer
REB10075 - Nut.
REB10481 - Ring.
REB10519 - Lock Ring
REA10799 - Gasket
REA10890 - Contact.
REA10891 - Stud
REB10892 - Body.
REB10893 - Insulator

(Copies of specifications, standards, drawings, and publications required by suppliers in connection with specific procurement functions should be obtained from the procuring activity or as directed by the contracting officer.)

3. REQUIREMENTS

3.1 Requirements - Requirements shall be in accordance with MIL-C-3607, and as specified herein

3.2 Design and construction - The electrical receptacle connector shall be of the design, construction, and physical dimensions specified on figure 1

4. QUALITY ASSURANCE PROVISIONS

4.1 Sampling and inspection - Sampling and inspection shall be in accordance with MIL-C-3607, and as specified herein

4.1.1 Group B inspection - Group B inspection shall be in accordance with MIL-C-3607. Mating dimensions shall be as specified on figure 2.

MIL-C-3607/3B

4.2 Leakage - The leakage test is not applicable

4.3 Dielectric withstanding voltage - The test voltage for the dielectric-withstanding-voltage test shall be 18,000 volts, root mean square.

5. PREPARATION FOR DELIVERY

5.1 Preparation for delivery shall be in accordance with MIL-C-3607

6. NOTES

6.1 Notes - In addition to the notes specified herein, the notes specified in MIL-C-3607 are applicable to this specification.

6.2 Intended use - Electrical receptacle connector, is designed for use with radiofrequency pulse cables

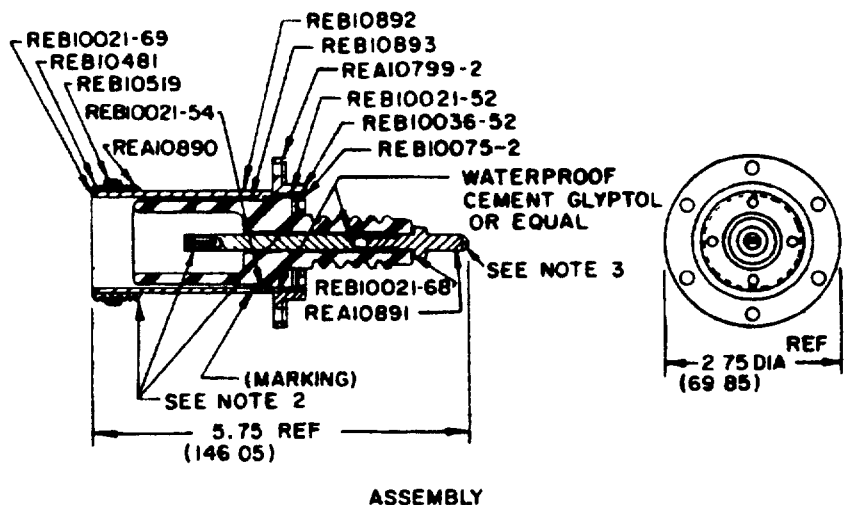
6.3 This specification covers the design of electrical receptacle connector, type UG-37A/U, which was previously covered by drawing REB49312.

Custodians:

Army - EL
Navy - Ships
Air Force - ASD

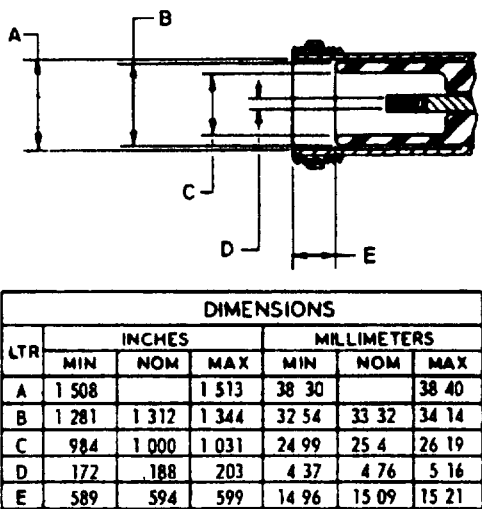
Preparing activity:

Navy - Ships
(Project 5935-1154)



- NOTES
- 1 All dimensions in inches (metric equivalents in parentheses)
 - 2 Contact, REA10890, and screw shall have a silver plating of 0.0002 (0.01) inch thick. All other metal parts shall be nickel-plated
 - 3 This item is a #5-40 UNC-2A x 3/8 inch long, brass, roundhead machine screw
 - 4 The concentricity of the contact, REA10890, with respect to the body, REB10892, shall be not more than 0.016 (0.41) total dial indicator reading. The concentricity of the insulator, REB10893, shall be not more than 0.020 (0.51) total indicator reading
 - 5 Metric equivalents are for information only and are based upon 1 inch = 25.4 mm

Figure 1 Type UG-37A/U electrical receptacle connector
(Military Part No. M3607/3-01)



Metric equivalents are for information only and are based upon 1 inch = 25.4 mm

Figure 2 Dimensional requirements for group B inspection